## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERRIDGE, PLC

ΦP.O. Box 19928

Alexandria, Virginia 22320 ~Telephone: (703) 836-6400 to Facsimile: (703) 836-2787

Attorney Docket No.: 117038

Date: September 4, 2003

## MAIL STOP PATENT APPLICATION

Customer Number: 25944 Commissioner for Patents

NONPROVISIONAL APPLICATION TRANSMITTAL

RULE §1.53(b)

P.O. Box 1450 Alexandria, VA 22313-1450 Sir

FOR:

BASIC FEE

X

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title):

METHOD OF MANUFACTURING THIN-FILM MAGNETIC HEAD

Yoshitaka SASAKI; Hirovuki ITOH; Shigeki TANEMURA; Kazuo ISHIZAKI; Takehiro By (Inventors):

KAMIGAWA

Formal drawings (Figs. 1A-19B; 14 sheets) are attached. Use Figure for front page of Publication.

A Declaration and Power of Attorney is filed herewith. This application claims benefit of Provisional Application No. filed

(A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.) This patent application is assigned to HEADWAY TECHNOLOGIES, INC. and SAE MAGNETICS (H.K.) LTD.

The executed Assignment is filed herewith An Information Disclosure Statement is filed herewith.

Entitlement to small entity status is hereby asserted.

A Preliminary Amendment is filed herewith.

filed Priority of foreign application(s) No. \_\_\_\_ filed \_\_\_\_ in \_\_\_ is claimed (35 U.S.C. §119). A certified copy of the above corresponding foreign application(s) is filed herewith.

This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

 $\boxtimes$ The filing fee is calculated below:

NO. EXTRA

CLAIMS IN THE APPLICATION AFTER ENTRY OF ANY PRELIMINARY AMENDMENT NOTED ABOVE

OTHER THAN A SMALL ENTITY SMALL ENTITY

OR

OR

OR

FEE OR RATE FEE \$ 375 \$ 750 OR OR 18 \$

TATOT

TOTAL CLAIMS 9 - 20 INDEP CLAIMS 1 - 3MULTIPLE DEPENDENT CLAIMS PRESENTED

NO. FILED

\* If the difference is less than zero, enter "0".

S + 140 = S TOTAL S

ctfully submitted.

x 84 \$ + 280 \$

\$ 750

 $\nabla$ Check No. 145876 in the amount of \$750 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Olif

RATE

9 = S

42 =

Registration No. 27 Joel S. Armstrong Registration No. 36,430

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERF	IDGE, PLC				Attorney Do	cket No.:	117038	
P.O. Box 19928 Alexandria, Virginia 22320						Date:	Septembe	т 4, 2003
Telephone: (703) 836-6400 Facsimile: (703) 836-2787			MAIL STOP PATENT APPLICATION					
Customer Nu	mber: 25944		NON	PROVISION	AL APPLI		TRANSMI	TTAL
Commissioner P.O. Box 1450 Alexandria, VA						(-,		
Sir:								
Transmitted he	rewith for filing	g under 37	C.F.R. §1.53(b) is the nor	provisional p	atent applica	ation		
For (Title):	MET	HOD OF	MANUFACTURING THI	N-FILM MAC	ONETIC HE	AD		
By (Inventors)		itaka SAS IIGAWA	AKI; Hiroyuki ITOH; Shig	geki TANEM	URA; Kazuo	ISHIZA	KI; Takehiro	,
Us A Decider This ap (A Precider This ap In This ap In This pa In This ap In This ap In In This ap In	e Figure  ration and Pow plication claims minary Amend tent application e executed Assi rmation Disclo- ment to small en minary Amend of foreign appl exertified copy o plication is NO ention disclosec or under a mu ng fee is calcula  THE APPLICA	for front per of Attor benefit of ment is att is assigne gnment is sure Stater tity status ment is file ication(s) f f the above T to be pu d in this a attilateral in ated below	ment is filed herewith. is hereby asserted. d herewith. Nofiledin e corresponding foreign ap blished under 35 U.S.C. 1 pplication has not been a ternational agreement, the	in the Specific OLOGIES, IN is claim plication(s) is 12(b). The unit will not be specific to the unit will not be specific to the unit will not be specific.	cation if not C. and SAE and SAE and (35 U.S. filed herew ndersigned abe the subjection at e	C. §119) ith. attorney o	ETICS (H.K.	by certifies the filed in anoth filing.
FOR:	NO	. FILED	NO. EXTRA	RATE	FEE	<u>OR</u>	RATE	FEE
BASIC FEE				1 1	\$ 375	OR		\$ 750

FOR:	NO. FILED	NO. EXTRA			
BASIC FEE		18.			
TOTAL CLAIMS	9 - 20	= 0			
INDEP CLAIMS	1 - 3	= 0			

MULTIPLE DEPENDENT CLAIMS PRESENTED

\* If the difference is less than zero, enter "0".

OR RATE FEE
OR \$ 750
OR x 18 \$
OR x 84 \$
OR + 280 \$
OR TOTAL \$ 750

Check No. 145876 in the amount of \$750 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

42 = \$

+ 140 = S

TOTAL \$

Registration No. 27,07

Joel S. Armstrong

Joel S. Armstrong Registration No. 36,430

Attorney Docket No.: 117038

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 Facsimile: (703) 836-2787		Attorney Docket No.: 117038  Date: September 4, 2003  MAIL STOP PATENT APPLICATION					
Customer Number: 25944		NONPROVISIONAL APPLICATION TRANSMITTAL RULE §1.53(b)					
Commissioner for Pater P.O. Box 1450 Alexandria, VA 22313							
Sir:							
Transmitted herewith fo	or filing under 37 (	C.F.R. §1.53(b) is the no	onprovisional p	atent applica	tion		
For (Title):		IANUFACTURING TH					
By (Inventors): Yoshitaka SASAKI; Hiroyuki ITOH; Shigeki TANEMURA; Kazuo ISHIZAKI; Takehiro KAMIGAWA							
Use Figure A Declaration au This application (A Preliminary / This patent appl The execute An Information Entitlement to si A Priority of forei A certified This application the invention d country, or under	for front pa and Power of Attora claims benefit of themediment is atta ication is assigned ad Assignment is float Disclosure Statem mall entity status i mendment is filed grapplication(s) N copy of the above is NOT to be put isclosed in this ar ar a multilateral calculated below: PLICATION AFT	ney is filed herewith. Provisional Application ched to reflect this clair to HEADWAY TECH iled herewith. ent is filed herewith. shereby asserted. herewith. to. filed corresponding foreign a lished under 35 U.S.C. pilication has not been crnational agreement, th	n in the Specifi NOLOGIES, IN  a is clain application(s) is 112(b). The u and will not b nat requires pub	ned (35 U.S.: ifiled herew indersigned a see the subject	C. §119) ith.	or agent hereb	oy certifies the iled in another iling.
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	<u>OR</u>	RATE	FEE
BASIC FEE			1.00	\$ 375	<u>OR</u>		\$ 750
TOTAL CLAIMS	9 - 20	= 0	x 9=	s	OR	x 18	\$
INDEP CLAIMS	I - 3	= 0	x 42 =	\$	<u>OR</u>	x 84	s
☐ MULTIPLE DEP	MULTIPLE DEPENDENT CLAIMS PRESENTED			\$	<u>OR</u>	+ 280	s
☑ Check No. 145	<ul> <li>If the difference is less than zero, enter "0".</li> <li>☑ Check No. 145876 in the amount of \$750 to cover the</li> </ul>				OR as other	TOTAL	\$ 750 erein, the
Commissioner	is hereby authoriz	ed to charge any other fait Account No. I5-046	ees that may be	required to	complete	this filing, o	r to

Respactfully submitted,

Registration No. 27,075

Joel S. Armstrong Registration No. 36,430